

1. The drawings submitted 2/10/04 have been approved by the examiner.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher Vanderlaan on 6/18/08.

The application has been amended as follows:

3. (Currently Amended) A system for adaptive functional composition of software components, to fulfill requests for higher-order functions, comprising a processor for utilizing:

a catalog of system resources including tools, applications, web services, and data repositories each implementing one or more functions and constraint information relating to the system resources;

a constraint solver configured to select a subset of the system resources based upon the request and the constraint information in said catalog; and

a composer configured to optimally sequence the functions and cause execution of the sequence of functions based upon the selection of system resources by said constraint solver;

wherein said catalog comprises an abstract model of functions, their inter-relationships, and their constraints;

wherein said constraint solver is configured to determine one or more sequences of functions that satisfy all constraints of the selected system resources, and to generate a function graph based thereon; and

wherein said composer is configured to generate a procedural process script from the function graph generated by said constraint solver.

Reason for Allowance

3. The following is an examiner's statement of reasons for allowance: the closest prior art reference of record is the patent to Mahapatro (6,571,215); however, the reference fails to teach or suggest the features of the original claim 3.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Chavis whose telephone number is (571) 272-3720. The examiner can normally be reached on M-F, 9:00am-5:30pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571) 272-3759. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2193

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/jc/

/John Chavis/
Primary Examiner, Art Unit 2193